In the Specification

Please amend the specification as follows:

Please delete the section on Page 4, lines 1-9 in its entirety.

Before Page 3, line 19, please insert the following: FL 9/12/06

--BRIEF DESCRIPTION OF THE DRAWINGS

The characteristics and advantages of the present invention will become more clearly apparent from the following description, given by way of example and with reference to the appended figures where:

-      Figure 1 represents a processing algorithm describing the steps of a process according to the invention,

-      Figure 2 represents the reference frames associated with a viewpoint.--

Please amend the paragraph beginning on Page 5, line 14 as follows:

In one example, a window of 7x7 pixels, centred on the image pixel for which the resolution is calculated, is utilized. For each of the pixels belonging to this window, the depth information is processed so as to determine, from the distribution in 3D space of the points around the processed pixel, the 3D resolution: a distribution of the points over a large depth will give a inferior resolution than a distribution of the points over a small depth. After processing all the pixels of the image, a resolution map of the image is obtained for each of the images of the sequence.

Please amend the paragraph beginning on Page 6, line 1 as follows:

A first partitioning of the sequence is performed by identifying the viewpoints having no intersection of their observation fields. This will make it possible to avoid comparing them, that is to say comparing the images relating to these viewpoints, during subsequent steps. Any intersections between the observation fields, of pyramidal shape, of each viewpoint, are therefore determined by detecting the

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intersections between the edges of these fields. This operation does not depend on the content of the scene, but only on the relative position of the viewpoints. With each current image there is thus associated a set of images whose observation field possesses an intersection with that of ~~this~~ the current image, this set constituting a list.

Please amend the paragraph beginning on Page 7, line 14 as follows:

The invention also relates to a process of navigation in a 3D scene consisting ~~in~~ of creating images as a function of the movement of the viewpoint, characterized in that the images are created on the basis of the process for constructing the 3D model previously described.